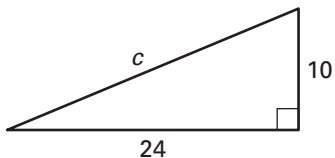


Practice

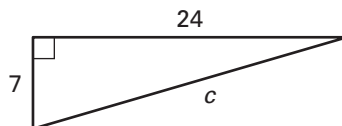
For use with pages 464–469

Find the unknown length. Write your answer in simplest form.

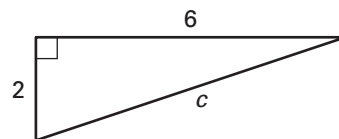
1.



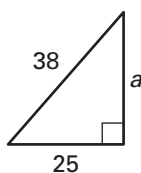
2.



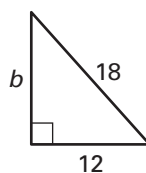
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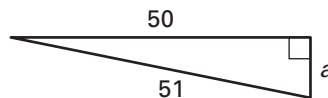
4.



5.



6.



Determine whether the triangle with the given side lengths is a right triangle.

7. 8, 15, 17

8. 20, 21, 28

9. 9, 12, 15

10. 11, 13, 17

11. 5, 64, 65

12. 12, 25, 27

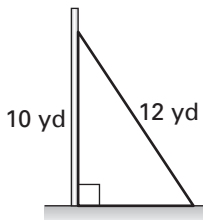
The lengths of two sides of a right triangle are given. Find the length of the third side.

13. $a = 9, c = 41$ 14. $a = 40, c = 58$ 15. $b = 56, c = 65$ 16. $b = 70, c = 74$ 17. $a = 13, b = 84$ 18. $a = 16, b = 63$

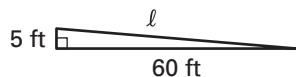
Practice

For use with pages 464–469

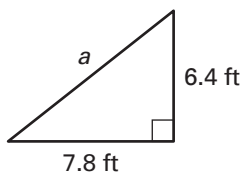
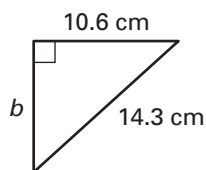
- 19.** A support wire 12 yards long is attached to the top of a utility pole 10 yards tall and is then stretched taut. To the nearest tenth of a yard, find how far from the base of the pole the wire will be attached to the ground.



- 20.** An access ramp has a height of 5 feet and a horizontal distance of 60 feet. Find the length ℓ of the ramp to the nearest tenth of a foot.



Find the unknown length. Round to the nearest hundredth, if necessary.

21.**22.****23.**